BY ORDER OF THE COMMANDER
434TH AIR REFUELING WING

434th AIR REFUELING WING INSTRUCTION
21-107

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Maintenance

EQUIPMENT RESTORATION

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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This instruction implements AFPD 21-1, *Managing Aerospace Equipment Maintenance* and AFI 21-116, *Maintenance Management of Communications-Electronics.* It outlines procedures for equipment restoration priority and response times for all maintenance work centers within the 434th Support Communications Squadron. This instruction pertains to Command Post, Weather Station, Communications Center, Air Traffic Control and Landing Systems (ATCALS) Maintenance, and Air Traffic Control agencies on Grissom Air Reserve Base.

SUMMARY OF REVISIONS

This revision changes information in attachment 1 as follows: Deleted "SOCS Line" and "Command Post Equipment" from priority 1, added "Secure Voice Equipment" to priority 1. Deleted "CRYPTO" and the "AFNET/ADNX Circuits" reference from the priority 3 column. This revision aligns this instruction with current instructions in AFI 37-160V1, *The Air Force Publications and Forms Management Programs—Developing and Processing Publications.* A (|) indicates revisions from the previous edition.

1. Responsibilities:

   1.1. The Chief of Maintenance:

      1.1.1. Assigns equipment restoration priorities and has them coordinated by the using agencies.

      1.1.2. Ensures technicians are available, either on duty or on call, to meet the response times established by this instruction.

2. General:

   2.1. Each system discrepancy and equipment outage must be evaluated by the using agency. The using agency retains the authority to change the restoration priorities based on valid mission require-

ments. Conflicts on restoration priorities are resolved by the Chief of Maintenance or a designated representative and the customer.

2.2. Multiple system response priority is determined when a work center has outages on more than one system with the same response priority, or when different work centers have outages with the same response priority and the ATCALS maintenance section lacks sufficient tools, test equipment, transportation, etc., to respond to all outages at the same time. In these cases, customers are contacted to determine mission impact and current mission requirements. Using this information, the Chief of Maintenance or designated representative determines which outage is given higher priority.

2.3. Operational capability is the ability of the assigned system to satisfy mission requirements and is defined as follows:

2.3.1. Outage: Red - Ability of the equipment is limited or degraded to a point that mission requirements cannot be met.

2.3.2. Impairment: Amber - Ability of the equipment is limited, however, mission requirements can still be met.

2.4. The customer may determine that response to any priority is not required until the next duty day if adequate back-up capability exists to satisfy mission requirements.

2.5. ATCALS technicians are not to exceed the listed response times unless unusual circumstances warrant a delay (e.g., weather, higher priority maintenance, paragraph 2.4., etc.).

2.6. ATCALS technicians may determine if an impairment requires immediate response to prevent damage to equipment.

2.7. Priorities determine the relative significance of assigned equipment and are divided into three categories:

2.7.1. Priority 1: Communications equipment essential to command and control and air traffic control.

2.7.2. Priority 2: Communications equipment supporting primary mission requirements.

2.7.3. Priority 3: Communications equipment indirectly supporting mission requirements.

3. Response Times:

3.1. The response times listed below may vary IAW paragraph 2 of this instruction. PRIORITY OPERATIONAL CAPABILITY Red (Outage) Amber (Impairment).

3.1.1. Immediate: NLT 1 hr ASAP but NLT 1 hr.

3.1.2. ASAP but NLT 1 hr Next duty day.

3.1.3. ASAP but NLT 24 hrs ASAP but NLT 72 hrs.

4. Equipment Priority List:

4.1. The priority list is shown in attachment 1.

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Commander

Attachment 1

EQUIPMENT PRIORITY LIST

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1. Equipment, systems, circuits, and support equipment that affect the operational capability of items listed below are assigned a priority commensurate with the equipment affected.

2. The position of equipment within each priority indicates the relative significance of the equipment. Priorities are subdivided into functional areas. Equipment is prioritized in the order given for each functional area. Current mission requirements must always be considered.

3. ATCALS technicians must perform all equipment checks up to the appropriate circuit demarcation point to ensure Air Force equipment is not at fault. If applicable, notify the contractor ONLY after all checks have been made by maintenance personnel.

4. Maintenance priorities are as follows:

PRIORITY 1

CRYPTO

Sarah

Secure Voice Equipment

METNAV

ILS (GRN-29)

TACAN (FRN-45)

VOR (FRN-44)

RADAR

ASR (GPN-20)

IFF (TPX-42)

PIDP II

RADIO

RAPCON Radios

Tower Radios

AFSATCOM

Command Post Radios

RAPCON/Tower Recorders

PRIORITY 2

METNAV

Digital Winds (FMQ-13)

Transmissometer (GMQ-32)

Laser Ceilometer (CT-12K)

Temp-Dew Point (FMQ-8)

DBASI

RADAR

NEXRAD (WSR-88D PUP)

DBRITE

Mapper (GPA-131)

RADIO

Flight Data System

ATIS

Base Ops Radios

Command Post Recorder

PRIORITY 3

RADIO

Time Signal Set (TRC-187)

Public Address Systems